

Title (en)

DOUBLE BALANCED COMPACT MIXER USING MICROWAVE MONOLITHIC INTEGRATED CIRCUIT COLD FET QUAD

Title (de)

KOMPAKTER GEGENTAKTMISCHER, WELCHER EINE MIKROWELLENINTEGRIERTE SCHALTUNG MIT VIER KALTEN FETS VERWENDET

Title (fr)

MELANGEUR COMPACT DOUBLEMENT EQUILIBRE A QUAD DE TECS FROIDS EN TECHNOLOGIE MMIC

Publication

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Application

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Abstract (en)

[origin: FR2762942A1] The invention concerns a double balanced mixer with cold FET (11-14) quad (10), comprising couplers at 180 DEG for the quad (10) input/output accesses, said couplers being lambda /16 couplers (21, 22) with 3 lines directly coupled in cascade with the quad (10). The invention enables to reduce the space requirement by a factor of 5.4 in Ku-band with respect to the cold FET quad mixer using lambda /4 couplers.

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IPC 8 full level

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